

<b>L Number</b>	<b>Hits</b>	<b>Search Text</b>	<b>DB</b>	<b>Time stamp</b>
-	2	"6354543"	USPAT; US-PGPUB; DERWENT	2002/09/10 07:34
-	9	"6161804"	USPAT; US-PGPUB; DERWENT	2002/09/06 11:43
-	13	"1020672"	USPAT; US-PGPUB; DERWENT	2002/09/06 11:45
-	1142	248/62	USPAT; US-PGPUB; DERWENT	2002/09/10 07:34
-	692	248/72	USPAT; US-PGPUB; DERWENT	2002/09/10 07:34
-	1143	248/62	USPAT; US-PGPUB; DERWENT	2002/09/10 07:34
-	575	248/72 not 248/62	USPAT; US-PGPUB; DERWENT	2002/09/10 07:54
-	633	248/63	USPAT; US-PGPUB; DERWENT	2002/09/10 07:55
-	470	248/63 not (248/72 or 248/62 )	USPAT; US-PGPUB; DERWENT	2002/09/10 08:01
-	2035	248/68.1	USPAT; US-PGPUB; DERWENT	2002/09/10 08:01
-	1685	248/68.1 not (248/72 or 248/62 or 248/63)	USPAT; US-PGPUB; DERWENT	2002/09/10 08:59
-	36	("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.	USPAT	2002/09/10 08:51
-	0	6354543.URPN.	USPAT	2002/09/10 08:54

-	27	("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.	USPAT	2002/09/10 08:54
-	4	6161804.URPN.	USPAT	2002/09/10 08:55
-	14	("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.	USPAT	2002/09/10 08:56
-	2	6257530.URPN.	USPAT	2002/09/10 08:56
-	0	D209701.URPN.	USPAT	2002/09/10 08:57
-	9	("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.	USPAT	2002/09/10 08:57
-	7	5393021.URPN.	USPAT	2002/09/10 08:57
-	13	("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.	USPAT	2002/09/10 08:58
-	7	5108055.URPN.	USPAT	2002/09/10 08:58
-	20	("2397680"   "2470814"   "2631809"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "4334659"   "4505006"   "4572466"   "4763132"   "4813639"   "4958792"   "5393021").PN.	USPAT	2002/09/10 08:59
-	1565	248/74.1	USPAT; US-PGPUB; DERWENT	2002/09/10 08:59

-	793	248/74.1 not (248/72 or 248/62 or 248/63 or 248/68.1 or ("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or ("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or ("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or ("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or ("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.))	USPAT; US-PGPUB; DERWENT	2002/09/10 09:29
-	1183	248/71	USPAT; US-PGPUB; DERWENT	2002/09/10 09:29

-	707	248/71 not (248/72 or 248/62 or 248/63 or 248/68.1 or ("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or ("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or (("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or ("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or ("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)	USPAT; US-PGPUB; DERWENT	2002/09/12 08:24
-	9	"6161804"	USPAT; US-PGPUB; DERWENT	2002/09/10 10:20
-	36	("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.	USPAT	2002/09/10 11:07
-	4	stackable near hanger	USPAT; US-PGPUB; DERWENT	2002/09/10 11:08

-	36	hanger near stack	USPAT; US-PGPUB; DERWENT	2002/09/12 08:20
-	323	248/74.2 not (248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or ("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or ("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or ("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or (("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or (("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)	USPAT; US-PGPUB; DERWENT	2002/09/12 08:29

-	440	248/231.81 not (248/74.2 or 248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or (("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or (("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or (("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or (("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or (("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)	USPAT; US-PGPUB; DERWENT	2002/09/12 08:35
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-	610	248/73 not (248/231.81 or 248/74.2 or 248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or (("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or (("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or ("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or (("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or (("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)	USPAT; US-PGPUB; DERWENT	2002/09/12 08:39
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-	93	(248/73 not (248/231.81 or 248/74.2 or 248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or ("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or ("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or ("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or ("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or ("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)) and (pipe or hanger)	USPAT; US-PGPUB; DERWENT	2002/09/12 08:39
-	756	138/106	USPAT; US-PGPUB; DERWENT	2002/09/12 08:39



	630	138/106 not (((248/73 not (248/231.81 or 248/74.2 or 248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or ("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or ("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3154281"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"   "4505006"   "4572466"   "4654612"   "4763132"   "4813639"   "4958792"   "5167533"   "5334051"   "5967468").PN.) or 6161804.URPN. or ("2166916"   "3003736"   "3216685"   "3275274"   "3444596"   "3718381"   "4094483"   "4153228"   "4472018"   "4917340"   "5129607"   "5461759"   "5533696"   "5921520").PN.) or (("2682385"   "2941768"   "3131447"   "3237905"   "3444596"   "3501117"   "4763132"   "4813639"   "4958792").PN.) or (("2749383"   "3410950"   "3444596"   "3501117"   "3514528"   "3526381"   "3553347"   "3715456"   "3838387"   "4327887"   "4875876"   "4922058"   "4958792").PN.) or 248/74.1)) and (pipe or hanger)) or 248/231.81 or 248/74.2 or 248/71 or 248/72 or 248/62 or 248/63 or 248/68.1 or (("0333119"   "2397680"   "2577120"   "2682385"   "2716703"   "2941768"   "3131447"   "3154281"   "3237905"   "3336543"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4023596"   "4047133"   "4194380"   "4286654"   "4306697"   "4325526"   "4334659"   "4505006"   "4540959"   "4572466"   "4642585"   "4654612"   "4763132"   "4813639"   "4958792"   "5108055"   "5167533"   "5201484"   "5334051"   "5393021"   "6161804").PN.) or (("0396677"   "2065843"   "2397680"   "2453980"   "2682385"   "2716703"   "2941768"   "2981513"   "3131447"   "3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"	USPAT; US-PGPUB; DERWENT	2002/09/12 09:22
Search History	9/19/02 8:44:08 AM	"3237905"   "3345706"   "3346863"   "3444596"   "3501117"   "3822411"   "4047133"   "4334659"		

